

PART I	DEPARTMENT OF HUMAN RESOURCES DEVELOPMENT	9.160
	STATE OF HAWAII	9.161
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Class Specifications
for the

VECTOR CONTROL WORKER SERIES

Series Definition:

Positions in this series supervise and/or perform blue-collar work in the surveillance and abatement of vectors such as rats, mosquitoes, mongooses, and other small animals and insects which impair public health and well being by transmitting diseases such as bubonic plague, leptospirosis, murine typhus, arthropod-borne encephalitis, and dengue fever, etc. The vector control program is responsible for suppressing outbreaks of potential vector-borne diseases, preventing encroachment of new vectors and vector-borne diseases from abroad, and providing relief to the public from severe vector nuisances.

Typical duties include the supervision of and/or performance in conducting surveys to locate vector breeding sources; selecting and mixing the correct pesticide formulation in compliance with label and material safety data sheet (MSDS) directions; preparing baits and setting rodent traps; operating power and hand equipment in applying pesticides in liquid, gas, dust or solid form; stocking biological control agents (insect predators, mosquito fish, microorganisms, etc.) to complement chemical control wherever applicable; maintaining operational equipment, personal protective equipment, etc.; and performing manual work such as digging or clearing ditches to free impounded waters, excavating burrows to eliminate rats, cutting and burning grass and other foliage or debris, etc., related to the vector control work.

Such work requires knowledge of the basic life cycle, characteristics and habits of vectors; methods of pesticides application; tools and equipment calibration principles and procedures; and the ability to select and conduct the proper surveillance and control measures following standard program policies and procedures. The work requires strict adherence to Federal and State guidelines for the use of restricted pesticides and worker protection standards. These knowledge and abilities are gained through formal classroom training, on-the-job training and work experience in a vector control program.

Level Distinctions:

Classes in this series are distinguished from each other by differences in:

1. The scope, level and complexity of work assignments involved in planning, selecting and conducting the appropriate vector

control surveillance and abatement activities.

2. The breadth of knowledge and abilities required to plan, evaluate, and apply the correct vector control surveillance and abatement activities.
3. The nature and extent of supervisory control exercised over the work performed which limits the scope of work, the independence with which it is performed, and the nature and finality of decisions.

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This is the first specification for the new series VECTOR CONTROL WORKER I, II and III.

Effective Date: 7/12/01

DATE APPROVED: 7/12/01

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Director of Human Resources Development

VECTOR CONTROL WORKER I

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Class Distinguishers:

Complexity: This is the entry-level class in the series. Positions in this class receive formal classroom training in the life cycle and habits of vectors, vector control methods, pesticide application and calibration procedures. Positions also perform work as a member of a crew to receive on-the-job training in conducting vector control surveillance and abatement activities.

Full Performance Knowledge and Abilities: *(Knowledge and abilities required for full performance in this class.)*

Knowledge of: Common hand tools such as picks, shovels, hoes and power equipment such as power sprayers; methods and techniques of pesticides application; tools and equipment used in vector control work and their proper maintenance; and safety practices relating to the vector control program.

Ability to: Read, understand and carry out oral and written instructions; perform simple arithmetic computations including

addition, subtraction, multiplication and division; conduct vector control surveillance and abatement activities in accordance with standard methods and procedures; utilize personal protective equipment; learn calibration principles and procedures; fill out appropriate report forms; perform manual work tasks; operate a light truck; and lift and carry, with the assistance of one other person, containers of mosquito fish weighing up to one hundred twenty (120) pounds.

Supervision Received: Positions in this class receive close supervision from a higher-level vector control worker as they learn to perform basic vector control surveillance and abatement activities. Supervisory controls are lessened as they progress and develop the knowledge and abilities to perform the various work tasks.

Examples of Duties: *(Positions may not be assigned all of the duties listed, nor do the examples necessarily include all the duties that may be assigned. The omission of specific statements does not preclude management from assigning such duties if such duties are a logical assignment for the position. The classification of a position should not be based solely on the examples of duties performed.)*

1. Attend orientation and training classes to learn about the life cycle and habits of vectors, pesticides application procedures, and calibration of tools and equipment.
2. Receive on-the-job-training while working as a member of a crew to conduct surveillance and abatement activities.
3. Assist in mixing and spraying pesticides.
4. Assist in calibration of pesticide application equipment.
5. Contact property owners for permission to set traps.
6. Bait and set traps, and apply rodenticides in fields to control rodents.
7. Tag rodents with identification information for rodent studies.
8. Repair and maintain traps.
9. Search for, gas, spray, or dust flea and rodent harborages and burrows using power pumps or manually.
10. Manually apply granular insecticide.
11. Catch and stock mosquito fish.

12. Perform minor maintenance such as cleaning pipelines, adjusting carburetors and replacing spark plugs of power pumps.
13. Perform manual work such as digging and clearing ditches, cutting and burning grass, and cleaning laboratory premises.
14. Operate a light truck to transport personnel, equipment and supplies to work sites.
15. May assist in the care of laboratory animals.
16. Complete daily form reports of field activities.

VECTOR CONTROL WORKER II

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Class Distinguishers:

Complexity: This is the fully independent journeyworker level. Positions in this class independently conduct vector control surveillance and abatement activities following standard methods and procedures. Positions perform work alone in the field or may perform work as a member of a team when hazardous and unsafe field conditions exist. The work involves the assessment of breeding sources for degrees of vermin infestation and related factors such as terrain, water, plant vegetation, weather, and proximity of livestock animals and neighboring communities; and selection of the appropriate vector control measure, and the safe and correct application of chemical and/or biological control agents.

Full Performance Knowledge and Abilities: (*Knowledge and abilities required for full performance in this class.*) In addition to the knowledge and abilities required of the next lower level:

Knowledge of: Program policies and procedures applicable to vector control work activities; effectiveness of methods and materials in various vector control situations; classification, function, toxicity, and use of pesticides (e.g., insecticides, herbicides, rodenticides, larvicides, adulticides, etc.); calibration principles and procedures; habits of rodents and small mammals; life cycle of mosquitoes; and hazards and safety procedures, practices and precautions applicable to performance of vector control work.

Ability to: Read and understand pesticide labels and the vector control program policies and procedures; calibrate pesticide applicator equipment; deal effectively with people; and

obtain Department of Agriculture Certificate for Commercial Applicators of Restricted Pesticides.

Supervision received: Positions in this class receive general supervision from a higher-level vector control worker or inspector. They receive a schedule of work (such as spraying or trapping) to be done and sites to be covered for the day. The various vector control surveillance and abatement activities are performed independently following standard policies and procedures. Assessment of the site condition is reported to the supervisor with recommendations for follow-up treatment if necessary. Work results are reviewed on a spot check basis.

Examples of Duties: *(Positions may not be assigned all of the duties listed, nor do the examples necessarily include all the duties that may be assigned. The omission of specific statements does not preclude management from assigning such duties if such duties are a logical assignment for the position. The classification of a position should not be based solely on the examples of duties performed.)*

1. Independently contact property owners for permission to implement vector control measures.
2. Independently conduct surveys to locate vector-breeding sources and to monitor vector population levels.
3. Assess breeding sources for the degree of vermin infestation and related factors such as terrain, water, plant vegetation, weather, and proximity of livestock animals and neighboring communities.
4. Select and apply the appropriate vector control measure such as pesticides (e.g., insecticides, rodenticides, herbicides, etc.), or biological control agents (e.g., insect predators, mosquito fish, microorganisms, etc.).
5. Precisely measure and mix the correct amount of pesticides following label and material safety data sheet (MSDS) directions.
6. Select and use pesticide application equipment (e.g., power sprayers, foggers, hand sprayers and hand application equipment) as appropriate.
7. Independently calibrate pesticide application equipment.
8. Participate as part of the alien species rapid response team to prevent encroachment of new vectors and vector-borne diseases.

9. Check all equipment periodically for safe and proper functioning.
10. Perform minor maintenance on field equipment such as cleaning pipelines, adjusting carburetors and replacing spark plugs of power pumps.
11. Perform manual work such as digging and clearing ditches, cutting and burning grass, stocking equipment and supplies, and cleaning laboratory premises.
12. Operate a light truck to transport personnel, equipment and supplies.
13. May assist in the care of laboratory animals. Complete daily form reports of field activities.
14. May assist in on-the-job training of lower level Vector Control Worker I's.

VECTOR CONTROL WORKER III

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Class Distinguishers:

Complexity: This class represents the working supervisor in the series. Positions in this class supervise and participate in the work of a crew engaged in the performance of vector control surveillance and abatement activities. They are responsible for organizing, scheduling and reviewing the work of subordinate Vector Control Worker IIs; providing on-the-job training; evaluating vector control and abatement efforts; calibrating and maintaining tools and equipment; and participating in vector control activities.

Full Performance Knowledge and Abilities: (*Knowledge and abilities required for full performance in this class.*) In addition to the knowledge and abilities required of the next lower level:

Knowledge of: Principles and practices of supervision.

Ability to: Supervise a crew of vector control workers; evaluate the effectiveness of vector control and abatement activities; and keep simple records and prepare simple reports.

Supervision received: Positions receive general supervision from a higher-level vector control work supervisor or inspector. They are assigned sites within a specific geographic area to monitor and treat on a regularly scheduled basis. In addition,

they are given daily assignments and must respond to work orders stemming from complaints of pest infestations from the public and possible or confirmed epidemiological outbreaks from physicians. They are given discretion to schedule work as needed and inform the supervisor of any sites that are added or deleted from their work schedule. Work is evaluated on a spot check basis.

Examples of Duties: *(Positions may not be assigned all of the duties listed, nor do the examples necessarily include all the duties that may be assigned. The omission of specific statements does not preclude management from assigning such duties if such duties are a logical assignment for the position. The classification of a position should not be based solely on the examples of duties performed.)*

1. Plan and organize daily work activities.
2. Oversee the checking for necessary supplies, and the functionality and calibration of equipment.
3. Schedule and assign work to subordinates.
4. Provide on-the-job training to lower level subordinates such as where and how to search for and conduct field activities to control sites infested with rodents or other vermin; calculation and preparation of pesticide dosage; and proper use of personal protective equipment.
5. Evaluate control and abatement efforts of subordinates.
6. Participate in vector control surveillance and abatement activities such as mixing and spraying pesticides, catching and releasing mosquito fish, preparing and baiting traps, clearing and eliminating rodent harborages, clearing or digging drainage ditches to free impounded waters, etc.
7. Review reports of subordinates in regard to the number of rats caught, number of traps set, how many traps were snapped, condition of area treated, and chemical treatment method applied.
8. Conduct field tests on the effectiveness of various rodenticides, insecticides and other materials.
9. May inspect and follow up with property owners for correction and/or elimination of unsanitary conditions.
10. Maintain appropriate records and prepare operational reports.